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9.55 10/6/02

Inte application of

Technology Center 2600

The undersigned, Yoshitaro Shimanuki, declares: that he is the Intellectual Property Executive Manager of NTT DoCoMo, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of NTT DoCoMo, Inc.; and that NTT DoCoMo, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignment recorded in the United States Patent Office at Reel 011016, Frame 0419, a copy of said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee NTT DoCoMo, Inc.. The assignee, NTT DoCoMo, Inc., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:



022913

PATENT TRADEMARK OFFICE

of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

ADRIAN J. LEE
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 30 day of September, 2002.

Yoshitaro Shimanuki

Yoshitaro Shimanuki
Intellectual Property Executive Manager
NTT DoCoMo, Inc.
11-1, Nagatacho 2-Chome
Chiyoda-Ku
Tokyo 100-6150, Japan



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

3815/96



101700329A

MAY 30, 2001

PTAS
BROWN RAYSMAN MILLSTEIN FELDER, ET AL.
120 WEST 45TH STREET
NEW YORK, NY 10036

**CORRECTED
NOTICE**

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/15/2000

REEL/FRAME: 011016/0419
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
ISHIKAWA, YOSHIHIRO

DOC DATE: 08/01/2000

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ASSIGNOR:
IWAMURA, MIKIO

OCT 29 2002

DOC DATE: 08/01/2000

Technology Center 2600

ASSIGNEE:
NTT DOCOMO, INC.
11-1, NAGATACHO 2-CHOME, CHIYOKA-KU
TOKYO 100-6150, JAPAN

SERIAL NUMBER: 09638265
PATENT NUMBER:

FILING DATE: 08/15/2000
ISSUE DATE:

REGINA COATES-WHITE, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDS UPDATED
06/05/01 R

FORM PTO-1595
1-31-92

05-29-2001



101700329

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

IR

FORM PTO-1595
09/16/00

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshihiro ISHIKAWA, Mikio IWAMURA

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:

☐ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date:

2. Name and address of receiving party(ies):

Name: NTT Docomo, Inc.

Internal Address: 11-1, Nagatacho 2-chome,
Chiyoka-ku, Tokyo 100-6150, Japan

Street Address:

City: State: ZIP:

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s)

B. Patent No.(s)

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08/23/2000 ROUTED 00000044-024270 09630265

04 FC:581

40.00 CH

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom
correspondence concerning document should be
mailed:

BROWN RAYSMAN MILLSTEIN FELDER &
STEINER LLP

120 West 45th Street

New York, New York 10036

(212) 944-1515

6. Total number of applications and patents
involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☐ Check enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: 02-4270

(Attach duplicate copy of this page by deposit account)

Please charge any additional fees required, or credit any
overpayment, to the above deposit account

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy
is a true copy of the original document.

Name of Person Signing

REG. NO. 40,997

Signature

August 15, 2000

Date

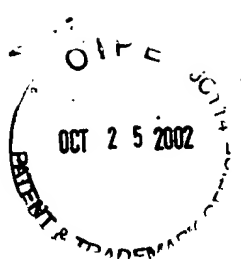
Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231



PATENT
Application of Ishikawa et al.
Serial No. 09/638,265
Attorney Docket 3815/96

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Ishikawa et al.
Appln. No. : 09/638,265
Filed : August 15, 2000
Title : COMMUNICATION PERFORMANCE CALCULATION METHOD
AND COMMUNICATION PERFORMANCE CALCULATION APPARATUS
IN MOBILE COMMUNICATION SYSTEM, AND BLOCKING
PROBABILITY CALCULATION METHOD AND BLOCKING
PROBABILITY CALCULATION APPARATUS IN COMMUNICATION
SYSTEM, AND RECORDING MEDIUM

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Assistant Commissioner for Patents
Washington, D.C. 20231

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TRANSMITTAL OF CORRECTED COVER SHEET

Attached hereto for recordation against the above-identified patent are the following:

- 1) Corrected Recordation Form Cover Sheet (1 pg)
- 2) Photocopies of original assignment, cover sheet, and original Notice of Recordation of Assignment Document (5 pp).

These documents are filed to correct the PTO typographical errors in the original cover sheet. In the original there appeared an error in the inventor's name and in the Serial No.

Applicant requests that the Office record the corrected cover sheet against the application. In the event that the Office has any questions, Applicant requests a call to its attorney Matthew J. Marquardt at (212) 944-1515.

The Commissioner is authorized to charge any fee which may be required or credit any overpayment to deposit account no. 02-4270.

I hereby certify that this paper and each of the attached documents is being deposited this date with the U.S. Postal Service as first class mail, addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

Matthew J. Marquardt (Reg. No. 40,997)
BROWN RAYSMAN MILLSTEIN
FELDER & STEINER LLP
120 West Forty-Fifth Street
New York, New York 10036
Tele: (212) 944-1515
Fax: (212) 840-2429

Date: 23 February 2001

ASSIGNMENT

WHEREAS, we, 1) Yoshihiro ISHIKAWA and 2) Mikio IWAMURA
a citizen of Japan,
residing at 1) 4-18-4-503, Nobi, Yokosuka-shi, Kanagawa 239-0841, Japan,
2) #101, 1-8-62, Kotsubo, Zushi-shi, Kanagawa 249-0008, Japan

have invented one or more inventions (hereinafter referred to as "said invention(s)")
disclosed in an application for Letters Patent of the United States titled

COMMUNICATION PERFORMANCE CALCULATION METHOD AND COMMUNICATION
PERFORMANCE CALCULATION APPARATUS IN MOBILE COMMUNICATION SYSTEM,
AND BLOCKING PROBABILITY CALCULATION METHOD AND BLOCKING PROBABILITY
CALCULATION APPARATUS IN COMMUNICATION SYSTEM, AND RECORDING MEDIUM

(hereinafter referred to as "said application"), said application having been executed on
even date herewith or filed on _____ and assigned application
Serial No. _____.

WHEREAS, NTT DOCOMO, INC.,
(hereinafter together with its successors and assigns referred to as "the Assignee"), a
Japanese corporation, having a place of business at

11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan

is desirous of obtaining all right, title and interest in, to and under said invention(s) and
said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and
sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set
over, and by these presents hereby sell, assign, transfer and set over to the Assignee all
right, title and interest in, to and under said invention(s) and said application, including
the right to apply for any Letters Patent of the United States of America and in any and all
foreign countries on said invention(s), and any and all other applications for Letters Patent
on said invention(s), in whatsoever countries, including all divisional, renewal, substitute,
continuation, continuation-in-part and convention applications based in whole or in part
upon said invention(s) or upon said application, and any and all Letters Patent which may
issue thereon in the United States and foreign countries, and any and all reissues,
extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent
granted for said invention(s) or upon said applications, to the full term or terms for which
said Letters Patent may be issued, and every priority right that is or may be predicated
upon or arise from said invention(s), said application and said Letters Patent, the same to
be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the
same would have been held and enjoyed by us had this Assignment not been made. We
hereby authorize the Assignee to file patent applications in any and all countries on any or
all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem
advisable, under the International Convention or otherwise.

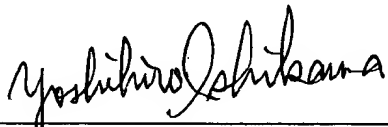
We hereby authorize the Commissioner of Patents and Trademarks of the
United States, and any official of any other country empowered to issue patents, to record
this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the
Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may
direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.


We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: August 1, 2000


(Signature) Yoshihiro ISHIKAWA

Date: August 1, 2000


(Signature) Mikio IWAMURA

EXPRESS MAILING LABEL NO. EL 733 591 208 US

PATENT APPLICATION
Docket No: 15689.55

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Yoshihiro ISHIKAWA et al.

Serial No.: 09/638,265

Filing Date: August 15, 2000

Confirmation No.: n/a

For: COMMUNICATION PERFORMANCE
CALCULATION METHOD AND
COMMUNICATION PERFORMANCE
CALCULATION APPARATUS IN MOBILE
COMMUNICATION SYSTEM, AND
BLOCKING PROBABILITY CALCULATION
METHOD AND BLOCKING PROBABILITY
CALCULATION APPARATUS IN
COMMUNICATION SYSTEM, AND
RECORDING MEDIUM

Art Unit
2681

CHANGE OF ATTORNEY DOCKET NUMBER

Honorable Commissioner of Patents
and Trademarks
Washington, D. C. 20231

Sir:

For convenience and ready identification of the papers received in connection with the
above-identified patent application, please reference in all future communications my Docket
No. 15689.55. All communications should remain addressed to the undersigned:

ADRIAN J. LEE
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111
(801) 533-9800

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Dated this 25th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785



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AJL:jrl

10-28-02

Gp 2621

EXPRESS MAILING LABEL NO. EL 733 591 208 US

PATENT APPLICATION
Docket No: 15689.55

OCT 25 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In reapplication of

Yoshihiro ISHIKAWA et al.

Serial No.: 09/638,265
Filing Date: August 15, 2000
Confirmation No.: n/a

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Art Unit
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CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

I hereby certify that the following documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on this 25th day of October, 2002:

- Transmittal for Revocation and Substitute Power of Attorney and Change of Attorney Docket No. (2 pages, in triplicate)
- Revocation and Substitute Power of Attorney and Exhibit A (7 pages)
- Change of Attorney Docket Number (2 pages)
- Postcard

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785



022913

WORKMAN NYDEGGER & SEELEY

ATTORNEYS AT LAW

A PROFESSIONAL CORPORATION

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PATENT APPLICATION

Docket No: 15689.55

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Yoshihiro ISHIKAWA et al.

Serial No.: 09/638,265

Filing Date: August 15, 2000

Confirmation No.: n/a

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Art Unit
2681

TRANSMITTAL FOR REVOCATION AND SUBSTITUTE POWER OF ATTORNEY
and CHANGE OF ATTORNEY DOCKET NUMBER

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing is a Revocation and Substitute Power of Attorney and Change of Attorney Docket Number. Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned. Triplicate copies of this letter are enclosed.

Dated this 25th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785



022913

PATENT TRADEMARK OFFICE

WORKMAN NYDEGGER & SEELEY

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PATENT APPLICATION
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Washington, DC 20231

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Dated this 25th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785



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PATENT TRADEMARK OFFICE

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